

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-45W-7030**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LSF65-XX-PC-45W-7030
Description: Flood light with selectable wattage and CCT
Light Source: (1) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

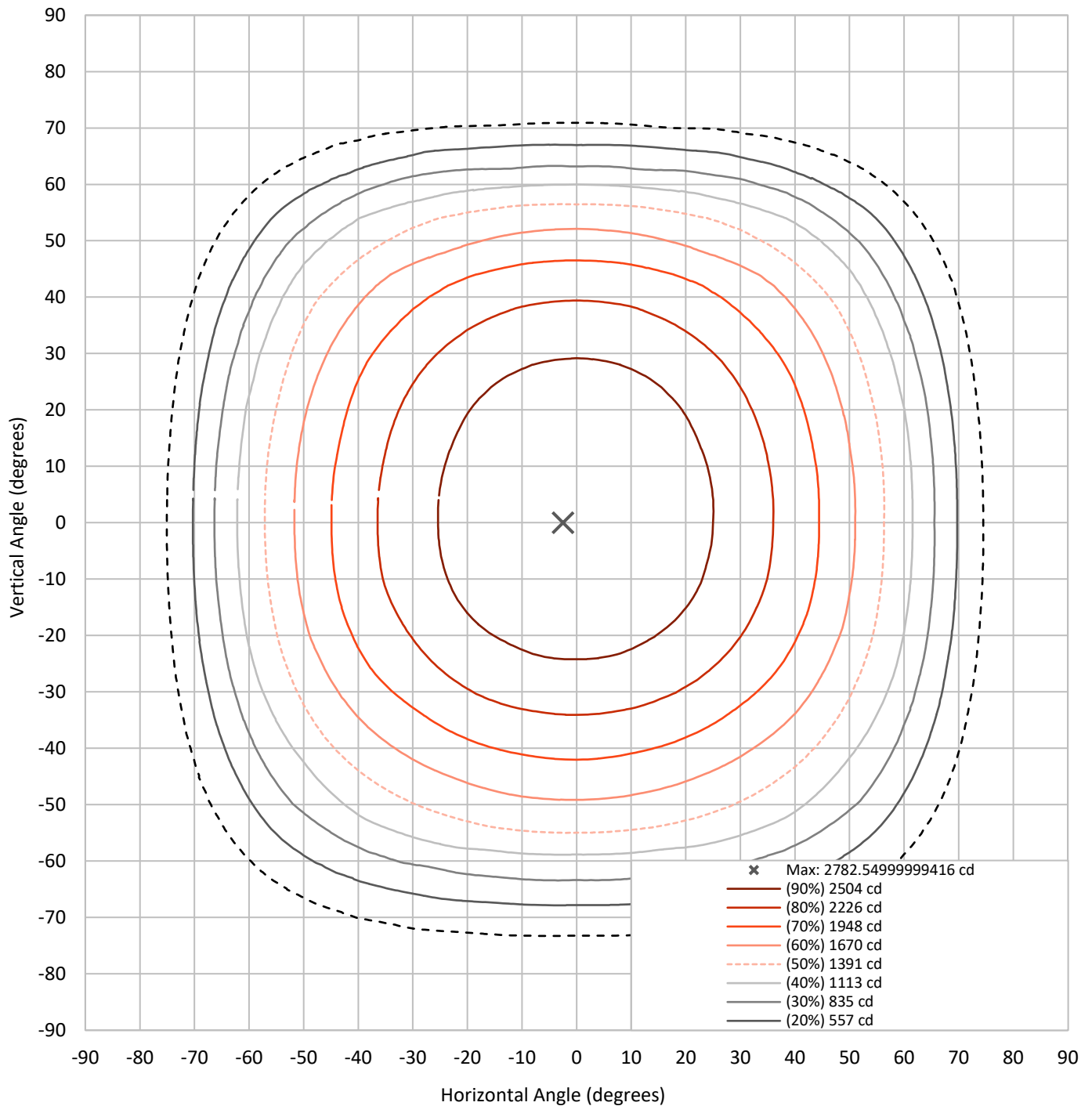
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7535.2 lumens	Max Intensity:	2782.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	158.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.12m x L: 0.2m x H: 0m)		
Beam Angle (50%):	113.4°H x 111.6°V	Field Angle (10%):	149.5°H x 144.2°V
Beam Lumens:	6045.2 lumens	Field Lumens:	7423.6 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	47.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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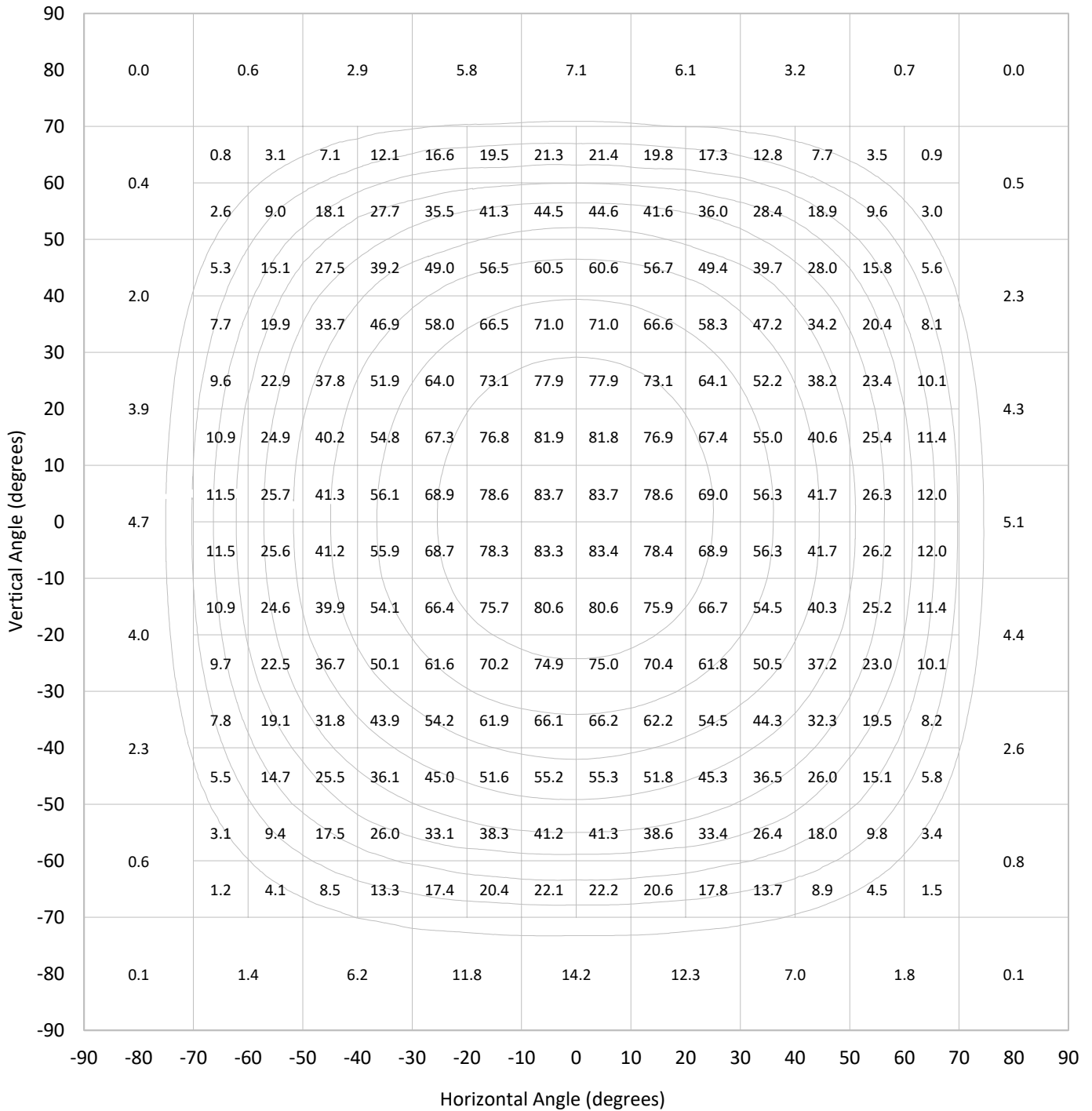
Iso-Candela Plot





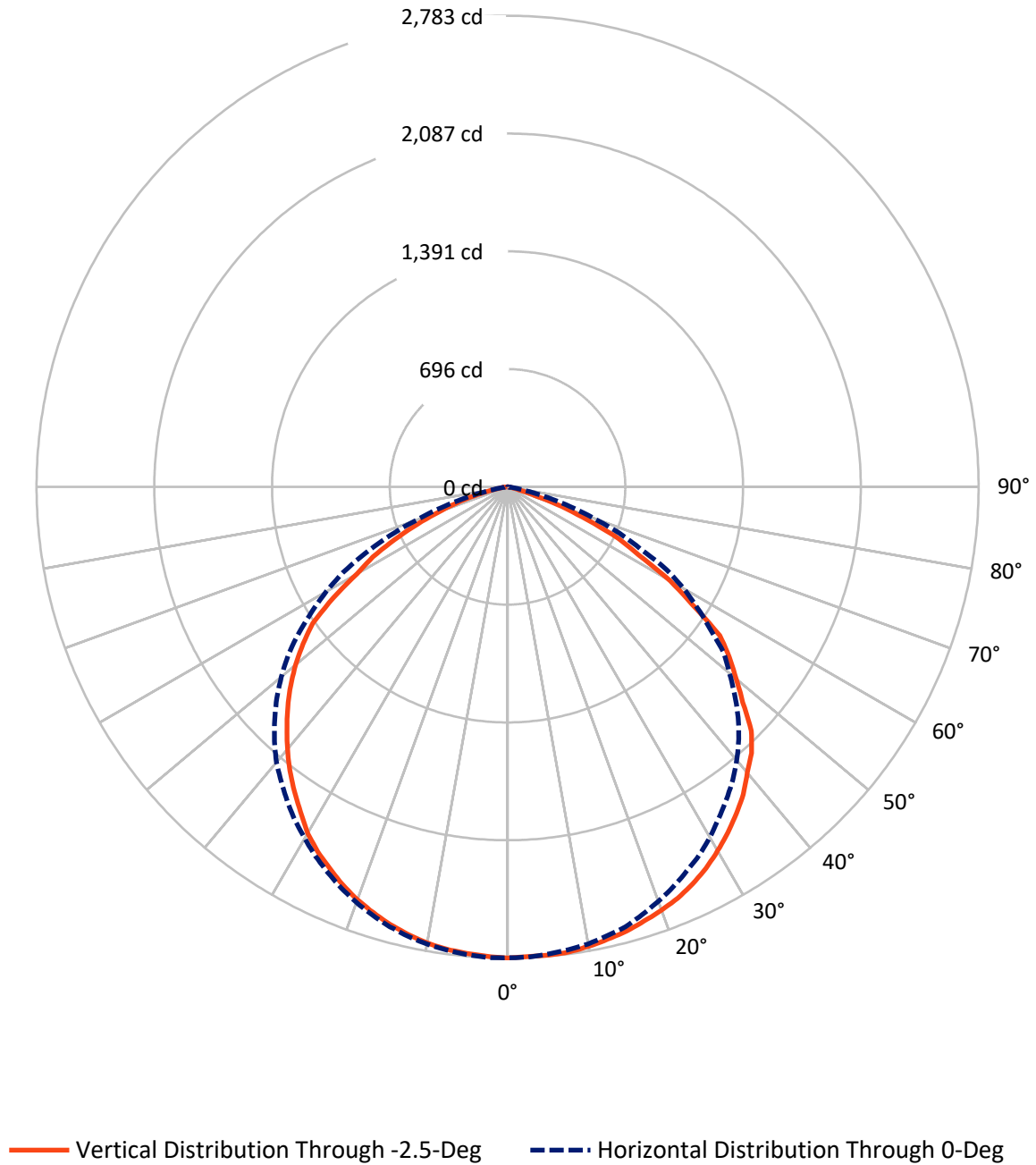
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Lumen Table



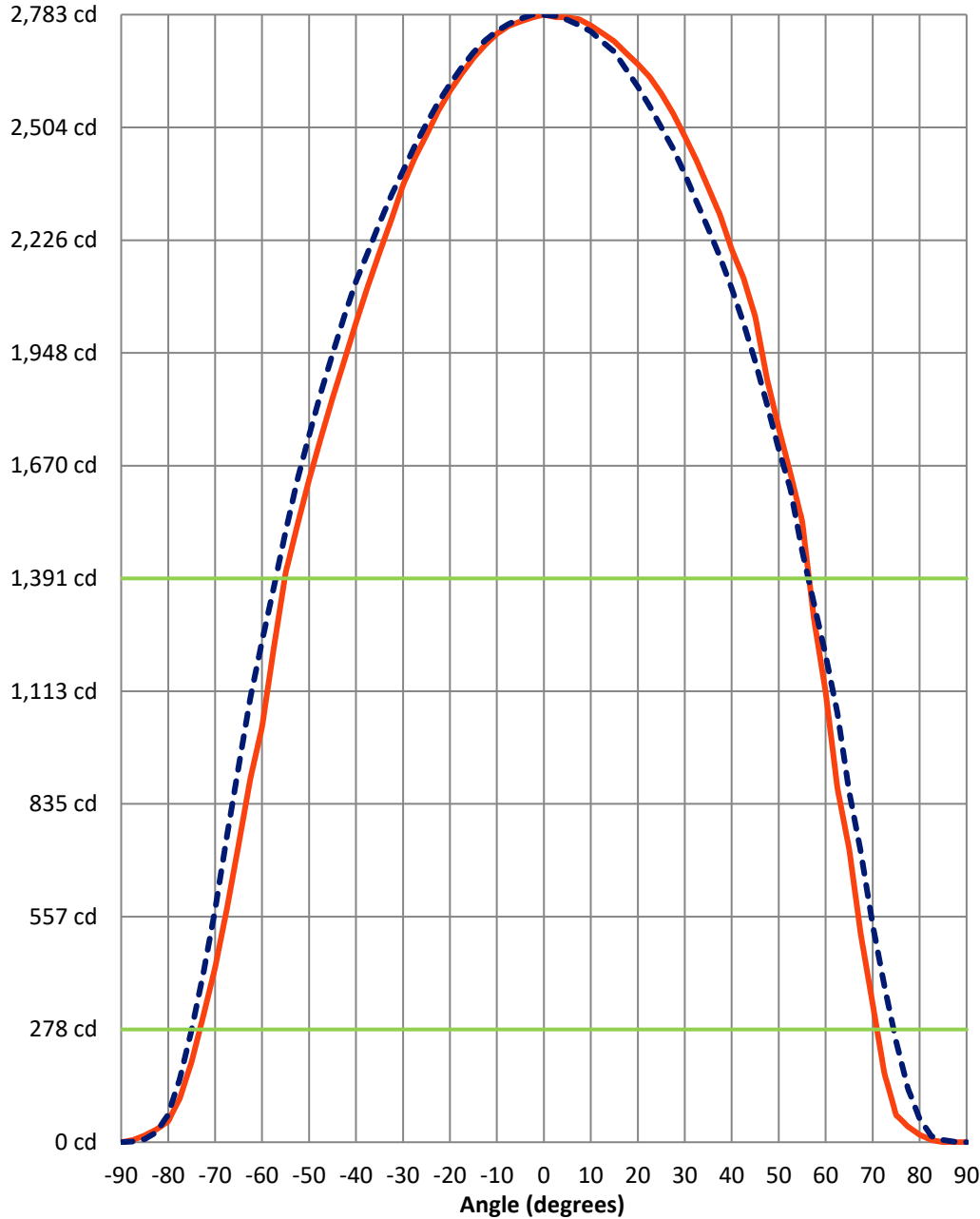
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 6045.2
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 7423.6
 Efficiency: 98.5%

Spill:
 Lumens: 111.6
 Efficiency: 1.5%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.2	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8
80°	0.0	0.3	0.6	0.7	0.8	0.8	0.8	0.8	1.6	2.0	2.5
77.5°	0.0	0.4	0.7	0.8	0.9	1.0	1.5	2.5	3.4	4.5	5.7
75°	0.0	0.5	0.8	0.9	1.1	1.7	3.1	4.4	5.8	7.3	9.2
72.5°	0.0	0.6	0.9	1.1	1.4	3.0	4.8	6.4	8.2	11.1	14.3
70°	0.0	0.6	1.0	1.3	2.4	4.4	6.4	8.4	12.2	16.4	23.3
67.5°	0.0	0.7	1.0	1.5	3.3	5.8	8.3	12.1	17.1	26.7	40.3
65°	0.0	0.8	1.2	2.0	4.4	7.4	10.9	16.3	26.3	43.6	62.1
62.5°	0.0	0.8	1.3	2.7	5.6	9.3	14.5	20.9	42.0	63.2	87.1
60°	0.0	0.9	1.5	3.4	6.7	11.6	18.3	35.4	59.2	83.1	123.2
57.5°	0.0	0.9	1.6	4.0	8.4	14.6	22.2	50.2	76.4	114.0	167.5
55°	0.0	0.9	1.7	4.9	10.1	17.5	33.9	64.4	98.0	152.6	211.1
52.5°	0.0	1.0	1.9	5.7	11.9	20.6	45.3	78.6	125.6	191.9	264.5
50°	0.0	1.0	2.3	6.5	14.1	23.5	56.9	94.9	160.4	232.4	313.1
47.5°	0.0	1.1	2.7	7.4	16.2	32.1	68.2	117.3	194.5	275.0	363.6
45°	0.0	1.1	3.1	8.7	18.4	40.3	80.1	141.7	226.2	315.6	420.4
42.5°	0.0	1.1	3.4	9.9	20.5	48.4	91.7	167.9	258.4	357.1	477.0
40°	0.0	1.2	3.7	11.2	22.6	56.7	108.5	192.7	289.7	399.1	515.9
37.5°	0.0	1.2	4.1	12.4	24.6	64.5	124.4	216.2	320.3	444.9	564.2
35°	0.0	1.3	4.5	13.7	28.7	72.8	141.8	239.5	350.3	481.8	611.9
32.5°	0.0	1.3	4.9	15.0	33.6	81.1	159.5	262.4	378.6	509.9	656.7
30°	0.0	1.4	5.2	16.2	38.0	89.0	175.8	284.0	408.2	543.4	698.5
27.5°	0.0	1.4	5.6	17.3	42.2	97.3	190.9	304.9	438.8	577.0	737.3
25°	0.0	1.5	5.9	18.4	46.1	106.7	204.7	324.2	465.7	608.3	764.8
22.5°	0.0	1.5	6.2	19.4	50.2	115.3	217.2	341.5	484.7	637.2	790.5
20°	0.0	1.6	6.5	20.3	53.9	123.1	228.8	356.5	502.0	663.2	818.9
17.5°	0.0	1.6	6.8	21.1	57.2	130.0	240.2	369.5	518.1	686.4	843.2
15°	0.0	1.6	7.0	21.9	60.1	136.7	250.1	380.5	534.3	706.7	864.8
12.5°	0.0	1.7	7.2	22.5	62.5	142.9	258.5	390.9	547.7	723.8	885.8
10°	0.0	1.7	7.4	23.1	64.6	148.0	265.4	401.0	558.3	735.7	902.5
7.5°	0.0	1.7	7.5	23.6	66.2	152.0	270.8	408.8	566.2	744.3	914.9
5°	0.0	1.7	7.6	24.0	67.4	155.0	274.6	414.0	571.4	750.4	923.0
2.5°	0.0	1.7	7.7	24.3	68.1	156.8	276.9	416.9	574.0	753.7	926.9
0°	0.0	1.7	7.7	24.4	68.4	157.5	277.6	417.3	574.1	754.3	926.6
-2.5°	0.0	1.8	7.8	24.7	68.9	158.1	277.6	417.5	574.5	753.7	926.8
-5°	0.0	1.8	7.9	24.8	69.0	157.6	276.1	415.4	572.4	750.3	922.9
-7.5°	0.0	1.8	7.9	24.8	68.6	156.1	273.0	410.9	567.8	744.1	914.8
-10°	0.0	1.8	7.9	24.7	67.8	153.5	268.5	404.2	560.5	735.1	902.5
-12.5°	0.0	1.8	7.8	24.5	66.5	149.9	262.7	395.3	550.6	722.7	886.1
-15°	0.0	1.8	7.8	24.1	64.7	145.2	255.5	386.1	538.0	705.8	865.7
-17.5°	0.0	1.8	7.6	23.6	62.5	140.1	246.9	376.2	522.7	686.1	844.6
-20°	0.0	1.7	7.5	23.0	59.8	134.3	237.2	364.3	506.7	663.6	820.8



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 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.7	7.2	22.3	56.6	127.6	227.3	350.4	489.0	639.1	793.0
-25°	0.0	1.7	7.0	21.6	53.0	119.9	216.8	333.7	469.4	612.3	765.1
-27.5°	0.0	1.6	6.7	20.8	49.5	111.3	205.2	314.5	445.2	583.2	734.6
-30°	0.0	1.6	6.3	19.9	45.9	103.5	192.5	293.5	418.7	551.3	697.7
-32.5°	0.0	1.6	5.9	18.9	41.9	95.6	178.7	274.1	392.2	518.6	658.5
-35°	0.0	1.5	5.5	17.8	37.5	87.0	163.9	254.7	365.4	488.3	618.2
-37.5°	0.0	1.5	5.1	16.6	33.6	78.5	148.6	235.2	335.8	454.2	573.7
-40°	0.0	1.4	4.8	15.3	31.3	70.8	132.9	215.6	303.9	416.4	527.8
-42.5°	0.0	1.4	4.5	14.0	28.7	62.5	116.2	194.9	276.0	376.8	487.3
-45°	0.0	1.4	4.2	12.6	25.9	54.4	103.1	173.3	250.0	335.6	437.8
-47.5°	0.0	1.3	3.8	11.1	23.7	46.5	89.3	151.0	224.1	293.8	386.5
-50°	0.0	1.3	3.5	9.9	21.6	38.1	77.1	127.9	196.2	261.7	337.2
-52.5°	0.0	1.2	3.1	8.7	19.3	33.6	64.7	108.8	167.3	229.0	290.1
-55°	0.0	1.2	2.9	7.5	17.0	28.7	53.2	91.0	137.6	195.4	252.7
-57.5°	0.0	1.1	2.6	6.2	14.7	25.1	41.4	75.1	111.6	161.0	214.4
-60°	0.0	1.1	2.4	5.5	12.2	22.0	34.5	59.3	89.5	125.7	175.2
-62.5°	0.0	1.0	2.2	4.8	10.2	18.8	28.1	43.9	70.2	98.7	135.2
-65°	0.0	0.9	2.0	4.0	8.1	15.5	24.0	34.5	52.4	76.1	102.1
-67.5°	0.0	0.9	1.8	3.4	6.4	12.3	20.0	27.5	38.6	55.8	76.4
-70°	0.0	0.8	1.6	2.9	5.3	9.2	15.8	22.3	29.0	39.7	54.4
-72.5°	0.0	0.7	1.4	2.5	4.1	6.9	11.6	17.3	22.5	28.7	37.5
-75°	0.0	0.6	1.3	2.1	3.4	5.3	7.9	12.4	17.1	21.4	26.3
-77.5°	0.0	0.5	1.1	1.8	2.7	4.0	5.8	8.2	11.6	15.5	19.0
-80°	0.0	0.4	0.9	1.4	2.1	3.0	4.2	5.5	7.6	9.9	12.8
-82.5°	0.0	0.3	0.7	1.1	1.6	2.2	2.9	3.8	4.9	6.0	7.5
-85°	0.0	0.2	0.4	0.7	1.1	1.5	1.9	2.4	2.9	3.5	4.2
-87.5°	0.0	0.1	0.2	0.4	0.5	0.7	1.0	1.2	1.5	1.7	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
82.5°	1.0	0.9	1.0	1.6	2.0	2.1	2.2	2.5	3.0	3.5	4.0
80°	3.4	4.3	5.0	5.7	6.4	7.1	7.6	8.3	9.6	10.8	11.6
77.5°	6.9	8.3	9.4	10.8	12.9	14.8	17.3	19.5	21.7	23.8	25.7
75°	11.2	13.8	16.7	20.5	24.5	30.3	34.6	42.3	49.5	54.6	57.3
72.5°	18.0	23.7	31.2	41.1	51.4	62.3	73.6	83.2	89.4	97.2	102.4
70°	32.2	45.5	58.4	73.5	90.0	107.7	125.0	144.4	162.2	180.8	207.5
67.5°	56.1	71.8	94.1	120.9	145.7	173.8	204.0	241.2	269.4	288.9	331.6
65°	83.0	112.2	147.4	177.9	224.5	266.6	302.2	347.7	404.2	434.9	462.8
62.5°	122.8	163.7	209.7	264.3	310.8	362.5	432.0	477.6	509.4	560.0	613.4
60°	170.8	224.3	286.6	343.4	419.3	486.3	537.2	595.2	658.7	722.8	784.8
57.5°	224.1	291.9	359.0	454.7	526.8	590.9	662.3	734.0	807.4	892.0	970.6
55°	284.6	357.1	458.7	551.1	629.7	708.6	786.2	867.7	978.3	1066.7	1110.9
52.5°	341.2	440.9	539.3	642.6	735.3	817.6	912.3	1026.4	1108.9	1171.7	1225.0
50°	405.9	513.1	621.5	731.3	830.5	932.5	1052.4	1135.4	1202.7	1265.8	1324.3
47.5°	477.3	583.6	701.0	810.2	925.9	1057.2	1146.2	1219.2	1286.7	1356.8	1422.7
45°	529.7	654.1	773.7	886.8	1034.4	1143.1	1222.2	1294.3	1378.7	1453.6	1534.5
42.5°	591.3	721.5	838.4	987.2	1110.8	1211.1	1289.4	1386.0	1468.3	1550.9	1633.9
40°	650.1	778.4	913.2	1060.7	1174.7	1267.9	1376.1	1468.3	1549.2	1633.8	1707.2
37.5°	705.9	832.4	990.7	1116.9	1228.4	1333.3	1449.9	1535.7	1619.8	1699.5	1770.0
35°	754.5	893.8	1045.8	1175.8	1278.2	1398.2	1502.8	1592.5	1680.4	1758.1	1835.4
32.5°	791.2	958.8	1091.3	1219.0	1333.2	1446.9	1552.3	1648.0	1733.2	1820.4	1890.8
30°	838.2	1001.2	1142.7	1261.5	1379.3	1495.5	1602.0	1695.0	1788.2	1870.9	1944.3
27.5°	884.6	1037.2	1182.9	1301.6	1416.1	1541.4	1645.8	1739.8	1833.9	1913.9	1992.0
25°	930.3	1073.3	1215.6	1334.7	1455.6	1582.1	1683.6	1780.1	1867.8	1953.5	2032.5
22.5°	966.2	1113.8	1248.3	1360.1	1497.0	1616.6	1718.5	1812.3	1901.4	1987.8	2063.2
20°	994.3	1149.7	1275.5	1388.9	1534.1	1646.2	1747.0	1840.0	1929.6	2015.6	2093.9
17.5°	1019.4	1172.3	1298.5	1416.9	1561.6	1671.9	1767.7	1864.3	1955.2	2040.9	2121.2
15°	1039.8	1192.0	1318.0	1445.3	1585.5	1693.5	1788.5	1884.1	1975.4	2063.6	2143.9
12.5°	1056.8	1208.4	1334.7	1467.5	1603.4	1710.5	1808.0	1903.9	1994.0	2083.1	2159.6
10°	1071.1	1220.9	1348.7	1484.7	1617.5	1723.1	1824.7	1920.5	2012.2	2100.7	2174.1
7.5°	1083.6	1230.0	1359.1	1497.3	1627.4	1733.2	1837.2	1933.4	2025.6	2112.7	2185.4
5°	1091.9	1235.5	1365.9	1505.0	1633.2	1740.3	1845.0	1941.7	2034.1	2120.7	2192.7
2.5°	1096.1	1237.7	1369.4	1508.0	1635.3	1744.0	1849.0	1945.5	2038.2	2124.5	2196.0
0°	1096.4	1236.7	1369.5	1506.3	1633.8	1743.7	1849.1	1945.1	2038.1	2124.2	2195.2
-2.5°	1095.3	1235.9	1368.5	1505.1	1633.0	1743.1	1848.2	1944.7	2037.8	2123.9	2195.7
-5°	1090.5	1232.0	1364.2	1499.4	1628.7	1738.4	1843.3	1940.1	2033.2	2119.4	2192.4
-7.5°	1082.0	1224.8	1356.4	1489.2	1621.1	1730.0	1834.4	1931.2	2024.3	2110.6	2185.4
-10°	1069.8	1214.3	1345.0	1474.7	1609.3	1718.4	1821.1	1917.8	2011.0	2097.7	2174.9
-12.5°	1055.6	1200.4	1329.1	1456.2	1593.1	1703.0	1803.6	1900.3	1993.3	2080.0	2157.4
-15°	1038.5	1182.9	1309.9	1434.9	1573.0	1680.2	1783.2	1879.6	1969.0	2052.6	2127.7
-17.5°	1018.3	1161.8	1287.3	1409.3	1543.5	1653.3	1759.4	1851.7	1937.6	2019.0	2094.2
-20°	993.3	1137.8	1261.1	1381.7	1510.1	1624.3	1726.9	1817.0	1902.4	1983.4	2056.9



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	965.2	1105.7	1231.7	1351.5	1470.4	1586.0	1683.9	1776.7	1865.4	1944.6	2013.5
-25°	930.0	1070.4	1198.7	1313.8	1427.3	1541.5	1634.6	1734.1	1821.6	1899.8	1971.0
-27.5°	886.0	1035.0	1158.9	1270.0	1382.5	1492.6	1588.9	1680.8	1769.4	1852.8	1921.2
-30°	841.0	993.8	1114.1	1221.1	1334.8	1442.1	1537.8	1620.1	1713.4	1794.1	1862.0
-32.5°	793.8	948.7	1063.1	1171.0	1278.6	1386.8	1483.0	1564.1	1644.2	1729.2	1797.5
-35°	751.4	887.7	1013.5	1119.8	1215.3	1326.4	1425.7	1506.2	1578.6	1655.3	1727.1
-37.5°	702.6	829.5	960.8	1061.1	1155.2	1254.0	1359.9	1446.6	1515.4	1582.3	1651.0
-40°	650.9	773.6	895.3	1003.7	1094.5	1179.3	1281.1	1374.4	1449.2	1512.7	1573.5
-42.5°	599.3	714.6	830.2	942.2	1030.2	1111.2	1196.0	1293.3	1372.3	1439.9	1498.1
-45°	543.8	652.4	764.5	868.1	964.5	1044.0	1123.9	1204.4	1289.0	1356.4	1418.0
-47.5°	492.7	592.9	692.1	799.6	889.9	973.3	1050.5	1125.4	1199.0	1271.6	1328.9
-50°	428.8	530.8	624.8	718.8	816.1	888.3	968.8	1043.7	1113.5	1180.3	1242.9
-52.5°	368.1	464.1	557.0	640.9	722.2	796.1	868.2	950.2	1020.0	1087.3	1143.1
-55°	313.0	386.5	485.0	568.9	634.1	699.8	761.2	825.9	917.0	976.5	1028.3
-57.5°	266.9	323.8	391.4	485.0	553.7	610.1	663.5	715.1	764.0	837.7	905.2
-60°	224.0	271.4	322.3	380.5	453.4	520.9	573.7	617.9	660.1	696.6	746.2
-62.5°	180.0	224.1	266.7	308.6	354.8	406.7	466.6	526.4	563.9	595.9	628.3
-65°	135.2	175.4	214.7	247.7	284.8	321.7	358.0	398.1	442.2	494.9	522.5
-67.5°	98.4	125.9	160.7	191.1	218.7	247.0	284.7	312.3	337.3	359.6	396.4
-70°	71.6	89.1	110.6	134.6	160.1	183.1	203.7	221.9	256.1	283.5	298.2
-72.5°	48.6	63.0	76.0	88.0	105.0	122.9	142.0	159.0	174.3	189.9	206.3
-75°	32.5	41.4	49.7	59.0	67.7	76.7	85.6	98.5	109.7	120.3	129.4
-77.5°	22.3	26.3	31.2	35.9	41.4	46.2	52.5	58.2	63.2	68.0	72.5
-80°	15.7	18.4	20.6	22.6	24.9	27.7	30.1	32.2	35.4	38.1	40.2
-82.5°	9.5	11.6	13.3	14.8	16.3	17.8	19.2	20.5	21.7	22.7	23.7
-85°	5.1	6.0	6.7	7.3	8.1	9.1	10.0	11.0	11.7	12.4	13.1
-87.5°	2.3	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.4	4.5	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	4.5	4.9	5.3	5.4	5.5	5.5	5.5	5.4	5.4	5.5	5.5
80°	12.6	13.6	14.4	15.2	15.9	16.6	17.2	17.6	17.8	18.2	18.4
77.5°	28.6	30.8	31.4	32.5	33.9	35.0	35.9	36.7	37.3	38.0	38.6
75°	58.0	57.1	54.3	55.2	59.4	64.5	71.5	79.0	84.3	84.1	81.6
72.5°	107.6	115.2	124.0	140.9	154.8	160.3	158.7	153.5	145.3	148.9	159.2
70°	225.4	236.3	252.3	269.9	284.9	292.9	298.3	301.8	306.6	314.6	324.6
67.5°	360.5	378.2	401.4	429.7	438.5	439.2	445.4	469.1	485.3	500.4	509.4
65°	494.4	515.8	562.4	619.5	640.5	657.8	671.3	680.9	686.6	694.8	707.2
62.5°	672.4	718.3	759.1	794.0	819.5	836.8	843.4	842.3	837.3	837.4	851.6
60°	843.6	899.6	936.7	957.2	964.5	985.2	1024.2	1054.9	1071.1	1077.2	1089.5
57.5°	1022.3	1046.4	1060.9	1098.6	1158.4	1204.4	1220.8	1221.5	1231.7	1255.2	1279.1
55°	1138.1	1189.3	1254.7	1310.5	1351.5	1371.9	1401.1	1435.3	1463.2	1489.0	1502.9
52.5°	1279.4	1333.7	1382.3	1426.0	1462.7	1496.9	1528.1	1557.5	1584.7	1607.2	1624.1
50°	1381.8	1440.3	1494.6	1538.1	1567.2	1599.4	1635.8	1667.8	1694.9	1715.0	1731.7
47.5°	1494.8	1562.8	1607.8	1642.9	1674.3	1712.5	1758.0	1793.7	1816.2	1831.4	1848.2
45°	1618.2	1666.0	1705.2	1746.0	1800.1	1856.4	1890.6	1916.7	1944.3	1973.8	2000.3
42.5°	1703.7	1751.7	1798.5	1856.9	1910.6	1951.9	1986.3	2020.0	2050.2	2076.7	2099.7
40°	1770.2	1827.6	1887.4	1940.9	1984.5	2024.7	2057.7	2097.1	2129.9	2153.2	2171.6
37.5°	1838.0	1901.9	1958.0	2004.4	2047.6	2094.9	2140.7	2172.7	2203.0	2229.4	2252.6
35°	1902.2	1963.7	2013.9	2066.0	2119.3	2163.1	2207.1	2240.9	2271.9	2299.3	2318.4
32.5°	1959.6	2017.4	2073.1	2126.4	2179.9	2225.6	2267.4	2303.0	2333.7	2360.3	2383.3
30°	2010.3	2069.8	2126.6	2184.4	2235.8	2286.3	2324.2	2363.7	2397.8	2423.3	2444.7
27.5°	2056.6	2117.5	2179.0	2234.4	2291.5	2333.8	2380.4	2417.9	2452.0	2476.1	2501.1
25°	2098.1	2162.9	2221.4	2278.2	2330.6	2384.1	2425.0	2463.1	2499.2	2527.4	2548.8
22.5°	2134.6	2199.9	2255.1	2312.3	2369.3	2420.2	2465.3	2502.8	2537.1	2566.9	2589.4
20°	2166.7	2226.9	2285.3	2343.8	2400.1	2450.4	2496.3	2536.4	2572.2	2599.3	2623.1
17.5°	2191.1	2251.5	2311.3	2370.8	2424.3	2476.7	2524.5	2566.5	2602.6	2628.8	2650.1
15°	2211.1	2273.5	2333.2	2394.0	2446.2	2502.0	2550.0	2591.9	2626.2	2654.3	2673.9
12.5°	2228.1	2290.2	2354.2	2411.7	2471.0	2522.6	2569.3	2612.8	2647.5	2673.6	2699.1
10°	2242.1	2302.9	2369.3	2431.7	2487.2	2538.9	2586.8	2627.5	2659.2	2693.1	2713.6
7.5°	2254.0	2316.2	2381.3	2445.6	2502.5	2550.4	2598.3	2641.2	2674.9	2705.0	2727.6
5°	2262.3	2327.2	2390.7	2454.4	2509.5	2560.4	2605.0	2649.2	2680.5	2709.0	2732.2
2.5°	2267.1	2334.2	2395.9	2458.4	2513.3	2566.1	2611.9	2652.3	2686.0	2713.2	2737.8
0°	2268.0	2336.1	2396.7	2458.4	2513.3	2565.8	2611.2	2652.4	2689.2	2718.9	2742.1
-2.5°	2266.6	2333.9	2396.0	2456.0	2512.1	2564.1	2609.0	2650.1	2684.7	2712.6	2738.8
-5°	2261.1	2327.4	2390.3	2448.2	2506.3	2556.5	2601.1	2642.3	2675.2	2703.3	2728.5
-7.5°	2251.8	2316.3	2379.4	2437.4	2495.8	2543.3	2591.0	2632.3	2664.8	2691.1	2714.9
-10°	2238.9	2300.0	2362.6	2422.6	2477.2	2526.3	2576.2	2616.7	2647.0	2672.4	2696.1
-12.5°	2219.0	2277.0	2339.3	2399.8	2453.0	2505.9	2552.4	2591.1	2622.9	2645.9	2668.4
-15°	2193.0	2249.6	2309.7	2371.1	2426.9	2476.2	2518.7	2559.6	2593.0	2616.4	2636.5
-17.5°	2162.5	2218.3	2274.3	2335.4	2390.0	2438.3	2483.0	2521.5	2552.8	2577.4	2595.8
-20°	2124.8	2183.5	2235.8	2291.9	2347.2	2396.4	2438.9	2476.6	2508.8	2532.0	2553.5



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2081.2	2143.6	2195.8	2246.5	2297.4	2347.1	2390.4	2426.0	2455.9	2483.4	2506.0
-25°	2033.3	2093.6	2150.6	2200.1	2247.1	2291.3	2334.3	2370.3	2398.3	2427.7	2452.1
-27.5°	1977.2	2035.9	2094.5	2147.6	2193.9	2236.2	2277.2	2312.1	2338.6	2368.1	2390.6
-30°	1919.9	1972.2	2028.0	2083.2	2132.0	2173.0	2211.7	2249.7	2279.8	2302.4	2324.0
-32.5°	1855.1	1906.7	1956.2	2007.7	2059.4	2102.5	2138.4	2171.3	2202.5	2227.2	2244.4
-35°	1786.2	1836.7	1882.0	1932.4	1979.4	2024.6	2060.0	2091.2	2119.9	2143.2	2160.7
-37.5°	1712.5	1762.6	1810.6	1856.0	1899.9	1942.5	1977.6	2010.1	2036.3	2061.5	2079.6
-40°	1633.1	1686.8	1734.0	1779.6	1820.3	1854.9	1891.5	1924.1	1949.2	1970.5	1987.5
-42.5°	1552.4	1604.5	1653.0	1696.1	1735.7	1771.7	1804.7	1832.2	1858.0	1880.0	1896.3
-45°	1471.5	1520.4	1566.2	1607.9	1644.0	1679.2	1713.9	1743.2	1767.6	1786.4	1802.2
-47.5°	1382.4	1433.7	1477.3	1516.7	1552.9	1585.4	1618.2	1647.7	1674.7	1695.4	1710.4
-50°	1290.9	1335.2	1381.3	1422.4	1456.7	1488.9	1520.1	1548.5	1573.7	1596.0	1612.1
-52.5°	1195.7	1242.3	1278.9	1314.7	1350.5	1385.5	1415.5	1441.1	1464.2	1483.3	1498.9
-55°	1063.3	1114.1	1171.4	1213.6	1241.7	1263.3	1294.4	1325.9	1347.6	1365.1	1379.8
-57.5°	936.4	965.6	992.2	1034.3	1087.4	1122.0	1135.3	1141.9	1157.2	1181.7	1203.8
-60°	799.4	845.3	864.4	878.0	898.9	929.6	954.5	979.0	990.4	994.7	1007.3
-62.5°	665.2	705.7	739.6	763.1	785.6	810.2	828.7	844.9	858.7	870.5	881.3
-65°	544.4	564.2	592.4	624.5	650.3	667.0	673.5	679.9	689.6	710.3	726.9
-67.5°	432.4	457.8	473.1	486.2	504.6	520.1	533.5	544.6	549.3	554.5	562.7
-70°	311.7	323.8	343.8	372.7	391.5	395.8	398.3	400.5	411.7	424.8	433.6
-72.5°	226.6	246.1	259.9	265.0	268.4	273.6	282.5	292.6	303.3	309.2	310.6
-75°	139.2	150.4	161.8	171.9	179.4	184.9	188.4	190.1	190.0	193.0	196.1
-77.5°	77.9	82.4	85.4	87.8	91.1	93.6	95.3	96.2	97.3	101.4	104.9
-80°	42.4	43.9	44.6	45.8	47.5	49.5	50.6	50.9	50.6	51.0	51.5
-82.5°	24.8	26.0	27.0	27.9	28.6	29.2	29.7	30.2	30.6	31.0	31.3
-85°	13.7	14.2	14.7	15.1	15.4	15.6	15.9	16.1	16.2	16.4	16.6
-87.5°	4.7	4.8	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	5.5	5.5	5.4	5.3	5.3	5.3	5.2	5.1	4.9	4.7	4.7
80°	18.6	18.6	18.4	18.2	18.3	18.2	18.0	17.7	17.3	16.7	16.4
77.5°	38.9	39.0	38.9	38.5	38.6	38.5	38.2	37.7	36.9	36.0	35.2
75°	77.9	73.1	67.5	61.4	65.5	69.2	72.2	74.5	75.8	75.9	75.0
72.5°	165.9	169.6	170.4	168.7	169.8	168.4	164.2	157.0	146.3	140.0	143.0
70°	332.8	338.6	341.7	341.4	340.7	336.4	328.5	317.1	302.4	288.3	276.7
67.5°	513.4	514.1	511.4	505.0	510.7	512.7	511.3	506.7	496.6	477.3	457.4
65°	716.3	721.8	723.3	720.7	721.9	719.0	712.4	702.2	688.8	676.7	664.7
62.5°	870.9	877.5	874.1	863.9	871.3	871.6	861.8	838.9	822.7	823.4	829.2
60°	1099.1	1105.8	1109.5	1110.0	1108.2	1103.3	1095.3	1084.3	1070.5	1059.6	1040.9
57.5°	1290.2	1294.9	1292.2	1281.1	1288.9	1287.7	1278.4	1262.4	1238.7	1219.1	1209.0
55°	1515.0	1524.8	1531.2	1533.4	1530.9	1524.0	1513.4	1499.7	1483.4	1453.8	1423.0
52.5°	1636.6	1645.2	1650.1	1651.2	1648.6	1642.3	1632.3	1618.3	1599.7	1576.8	1550.6
50°	1745.8	1756.1	1762.3	1764.5	1762.0	1755.4	1744.8	1730.1	1711.5	1687.7	1659.1
47.5°	1866.0	1878.9	1884.6	1884.4	1883.6	1876.8	1862.8	1843.6	1825.1	1808.8	1783.9
45°	2016.4	2029.1	2037.1	2039.1	2036.2	2027.5	2014.5	1998.5	1970.2	1940.2	1911.1
42.5°	2115.1	2125.5	2132.6	2136.2	2131.8	2123.8	2112.3	2096.9	2073.8	2044.5	2011.5
40°	2186.4	2196.9	2203.1	2205.4	2202.8	2196.1	2184.8	2168.8	2149.3	2123.0	2089.9
37.5°	2269.3	2280.9	2288.1	2291.3	2288.5	2282.2	2271.8	2254.3	2228.1	2196.5	2170.3
35°	2333.9	2346.5	2355.7	2361.2	2356.5	2348.1	2336.4	2320.2	2297.8	2270.1	2237.2
32.5°	2401.1	2414.1	2422.5	2427.1	2422.3	2413.5	2400.7	2383.2	2358.8	2332.7	2302.3
30°	2463.1	2474.6	2482.2	2485.6	2483.5	2476.1	2462.7	2443.2	2420.1	2394.7	2358.0
27.5°	2520.2	2532.8	2539.0	2541.3	2538.8	2532.5	2519.4	2500.6	2478.7	2451.0	2412.5
25°	2565.4	2579.5	2587.9	2591.4	2588.3	2581.3	2569.2	2548.5	2523.4	2497.3	2461.9
22.5°	2607.8	2621.2	2629.1	2633.2	2630.4	2623.9	2608.2	2589.8	2566.4	2535.8	2499.2
20°	2642.1	2656.5	2660.3	2661.3	2659.8	2656.1	2643.2	2622.9	2597.4	2566.8	2533.1
17.5°	2665.9	2681.4	2687.9	2690.4	2688.3	2682.7	2671.0	2651.4	2627.3	2593.9	2557.6
15°	2691.6	2706.3	2716.5	2718.0	2715.3	2708.3	2697.0	2675.5	2651.5	2623.1	2583.6
12.5°	2715.8	2728.2	2736.5	2738.8	2736.7	2729.3	2719.3	2700.1	2669.3	2642.0	2606.4
10°	2733.1	2747.2	2755.6	2755.8	2752.5	2747.8	2736.0	2717.2	2691.9	2656.7	2624.1
7.5°	2748.3	2763.1	2771.1	2771.3	2765.9	2760.8	2747.6	2730.1	2704.9	2673.5	2635.1
5°	2751.6	2767.0	2775.6	2775.2	2774.6	2770.3	2753.4	2737.1	2712.6	2680.5	2643.3
2.5°	2754.9	2766.8	2776.4	2782.1	2780.2	2770.6	2757.3	2739.3	2715.8	2687.6	2647.9
0°	2759.5	2772.1	2782.5	2781.7	2779.3	2769.7	2756.5	2741.1	2715.3	2690.7	2647.6
-2.5°	2754.9	2766.9	2775.3	2772.5	2767.6	2763.6	2752.5	2731.9	2706.8	2680.1	2641.4
-5°	2748.4	2762.4	2765.5	2763.1	2762.3	2755.1	2745.0	2724.1	2699.0	2667.4	2632.0
-7.5°	2734.3	2747.0	2754.5	2750.4	2752.4	2745.3	2734.3	2712.1	2687.2	2655.6	2624.0
-10°	2714.6	2728.8	2735.3	2734.1	2734.4	2728.2	2713.3	2693.4	2669.2	2639.9	2607.0
-12.5°	2687.0	2699.9	2707.9	2710.4	2706.7	2700.9	2691.8	2668.5	2647.2	2616.8	2577.9
-15°	2653.1	2667.6	2675.6	2677.2	2674.1	2667.3	2654.7	2637.8	2614.6	2582.0	2546.3
-17.5°	2616.7	2632.5	2636.8	2636.1	2633.7	2628.2	2617.7	2601.2	2572.4	2544.8	2510.4
-20°	2573.4	2587.8	2594.1	2595.7	2592.2	2585.7	2573.8	2553.5	2531.5	2498.8	2465.3



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2525.8	2539.2	2544.5	2545.1	2544.3	2537.3	2526.0	2503.5	2476.7	2449.5	2419.0
-25°	2469.0	2480.2	2485.7	2485.6	2484.4	2478.1	2466.2	2444.1	2421.5	2397.2	2364.8
-27.5°	2409.8	2422.3	2428.6	2429.0	2425.2	2417.3	2404.2	2388.3	2368.1	2338.0	2305.8
-30°	2343.8	2355.7	2361.6	2361.6	2361.3	2355.7	2345.2	2323.9	2298.6	2271.9	2241.3
-32.5°	2257.7	2269.3	2275.7	2275.7	2275.6	2269.2	2257.2	2241.9	2221.2	2191.4	2156.2
-35°	2175.9	2188.3	2195.4	2197.0	2194.3	2186.0	2172.0	2154.9	2136.0	2110.0	2078.9
-37.5°	2093.2	2104.7	2111.8	2114.2	2111.5	2104.2	2092.3	2075.7	2054.6	2029.0	2001.5
-40°	2003.4	2015.3	2022.6	2025.1	2021.6	2013.3	2000.1	1982.5	1962.9	1940.1	1915.3
-42.5°	1911.3	1922.1	1928.6	1930.7	1926.8	1918.4	1906.0	1889.8	1873.0	1851.7	1825.7
-45°	1817.6	1829.0	1836.2	1839.1	1835.7	1828.3	1817.4	1803.4	1783.8	1759.9	1733.8
-47.5°	1722.6	1731.8	1737.3	1738.9	1735.7	1728.5	1717.6	1702.2	1683.5	1662.7	1638.8
-50°	1623.3	1630.8	1634.5	1634.4	1632.2	1626.1	1616.3	1602.6	1585.0	1563.9	1540.0
-52.5°	1510.6	1518.4	1522.3	1522.3	1520.4	1514.6	1505.1	1492.0	1475.7	1457.5	1434.7
-55°	1391.4	1399.5	1404.1	1404.8	1402.4	1396.0	1385.6	1371.3	1353.2	1335.9	1313.6
-57.5°	1214.6	1220.2	1220.0	1212.9	1217.9	1216.1	1209.1	1197.4	1173.1	1146.3	1128.2
-60°	1016.6	1022.7	1025.4	1024.9	1023.4	1018.8	1011.2	1000.7	987.6	982.2	969.6
-62.5°	889.3	894.5	896.8	896.4	895.4	891.5	884.7	874.8	862.7	851.2	838.0
-65°	735.9	738.2	734.5	725.8	733.1	735.4	731.8	721.6	703.9	682.6	673.0
-67.5°	569.1	573.3	575.4	575.5	575.1	572.7	568.2	561.6	552.9	544.7	536.3
-70°	437.1	436.0	431.2	423.5	429.8	433.4	433.4	429.2	419.8	406.6	395.2
-72.5°	311.9	312.6	312.2	310.4	311.7	311.6	310.6	309.0	307.4	300.5	287.8
-75°	198.0	198.9	198.7	197.5	197.6	196.7	194.8	191.8	187.9	183.8	181.7
-77.5°	107.2	108.6	108.9	108.4	108.3	107.4	105.5	102.6	98.7	94.1	92.2
-80°	51.7	51.7	51.5	51.2	51.2	51.0	50.6	50.1	49.4	48.5	47.7
-82.5°	31.5	31.5	31.5	31.3	31.3	31.1	30.9	30.6	30.2	29.6	29.0
-85°	16.7	16.7	16.7	16.6	16.6	16.5	16.4	16.2	15.9	15.6	15.3
-87.5°	5.4	5.4	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.3	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	4.7	4.7	4.6	4.6	4.5	4.2	3.9	3.5	3.1	2.5	1.9
80°	15.8	15.2	14.3	13.5	12.6	11.7	10.7	9.8	9.3	8.7	7.9
77.5°	34.2	33.1	31.7	30.1	28.7	27.7	25.6	22.8	20.8	18.6	16.5
75°	73.4	71.1	68.2	64.6	60.6	56.7	52.6	49.4	46.5	42.0	36.2
72.5°	145.0	146.0	142.5	131.2	115.9	111.0	104.3	94.6	84.7	74.9	69.0
70°	275.1	274.1	271.3	251.9	228.2	213.9	204.1	186.0	163.6	142.6	118.7
67.5°	433.5	428.5	427.2	412.8	373.5	346.6	329.3	300.4	269.9	243.7	213.0
65°	649.6	631.5	610.6	587.2	541.3	499.9	473.2	436.0	405.1	359.1	317.9
62.5°	825.2	805.7	776.8	748.1	718.3	686.0	644.0	589.0	533.8	479.4	450.3
60°	1013.3	972.6	949.2	938.5	904.2	853.8	799.0	751.7	698.8	631.1	563.9
57.5°	1202.8	1178.8	1124.6	1076.9	1047.0	1025.5	989.1	929.8	848.9	777.5	704.4
55°	1386.4	1357.3	1335.0	1287.6	1224.7	1159.7	1120.0	1086.2	1024.7	935.9	829.8
52.5°	1519.4	1484.0	1447.4	1410.2	1367.5	1316.8	1251.8	1199.6	1148.8	1077.1	983.2
50°	1626.7	1591.0	1557.4	1523.2	1475.7	1420.5	1366.1	1306.5	1241.3	1180.4	1108.3
47.5°	1746.3	1700.9	1663.7	1631.1	1595.5	1544.7	1472.2	1402.3	1337.4	1263.9	1197.7
45°	1882.3	1844.3	1784.9	1733.1	1692.3	1651.8	1601.0	1512.5	1430.7	1353.7	1273.5
42.5°	1976.8	1946.8	1900.1	1844.2	1786.2	1738.2	1687.9	1617.0	1530.9	1445.5	1356.0
40°	2050.8	2013.7	1972.6	1929.3	1873.7	1816.5	1756.6	1691.1	1615.5	1530.1	1444.7
37.5°	2131.7	2086.2	2038.4	1992.7	1943.9	1886.8	1823.1	1755.6	1682.7	1600.4	1516.5
35°	2198.9	2160.6	2110.7	2056.8	2002.1	1950.1	1887.6	1817.8	1742.6	1663.0	1574.3
32.5°	2262.7	2219.3	2173.2	2121.7	2064.5	2004.4	1946.2	1876.5	1801.0	1716.2	1628.0
30°	2322.9	2280.3	2228.9	2176.8	2120.6	2060.9	1995.5	1931.4	1853.1	1768.5	1674.3
27.5°	2374.1	2332.5	2286.0	2225.9	2168.4	2109.0	2046.6	1975.6	1902.3	1812.7	1716.1
25°	2419.7	2377.7	2328.3	2272.9	2210.4	2149.5	2089.4	2020.6	1940.4	1852.0	1759.5
22.5°	2462.1	2414.6	2363.9	2310.4	2250.7	2186.6	2120.0	2053.9	1973.2	1890.4	1793.7
20°	2493.4	2448.4	2395.1	2339.9	2279.9	2217.9	2151.8	2082.5	2005.2	1918.6	1822.7
17.5°	2520.4	2474.9	2423.7	2365.0	2308.9	2245.1	2178.3	2105.9	2031.5	1944.1	1849.4
15°	2541.0	2496.8	2447.7	2392.5	2331.4	2269.0	2200.5	2129.1	2052.0	1965.5	1873.6
12.5°	2563.4	2517.0	2467.1	2410.8	2351.2	2288.7	2220.1	2147.2	2068.6	1983.4	1891.5
10°	2581.3	2534.6	2483.0	2428.9	2366.9	2301.3	2233.4	2162.2	2084.3	1999.9	1907.1
7.5°	2594.5	2547.6	2495.9	2440.1	2377.9	2313.2	2246.1	2173.5	2096.5	2011.8	1918.6
5°	2603.6	2555.2	2505.0	2448.4	2385.7	2320.2	2254.0	2181.4	2104.3	2019.1	1925.6
2.5°	2607.5	2558.8	2507.4	2452.6	2389.9	2323.0	2256.5	2185.1	2107.7	2022.5	1928.2
0°	2604.7	2557.1	2504.3	2452.1	2389.6	2321.1	2254.2	2184.4	2106.8	2021.5	1926.5
-2.5°	2603.3	2555.1	2501.7	2449.6	2387.6	2319.4	2253.4	2182.9	2104.9	2020.8	1926.9
-5°	2595.4	2547.4	2493.2	2444.2	2380.6	2312.8	2248.4	2177.1	2099.1	2016.0	1922.9
-7.5°	2581.4	2532.9	2478.0	2433.2	2369.0	2302.7	2238.8	2167.2	2089.6	2007.7	1914.4
-10°	2561.4	2515.3	2464.1	2414.6	2352.5	2289.3	2224.7	2153.4	2076.7	1993.7	1901.3
-12.5°	2537.6	2492.2	2446.9	2390.1	2329.4	2268.3	2203.7	2133.2	2058.6	1974.6	1884.1
-15°	2507.2	2466.3	2418.3	2363.5	2303.1	2240.6	2175.4	2104.4	2033.4	1953.7	1864.7
-17.5°	2470.3	2430.8	2380.8	2328.1	2271.6	2207.8	2142.7	2075.4	2004.8	1922.9	1829.6
-20°	2431.2	2385.5	2339.3	2289.6	2230.4	2169.8	2105.9	2037.4	1965.7	1886.1	1793.6



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2379.4	2338.4	2292.1	2242.7	2185.7	2126.1	2067.0	1999.7	1926.5	1844.1	1758.2
-25°	2327.6	2284.2	2243.3	2190.1	2136.8	2080.7	2015.0	1953.6	1882.0	1796.2	1713.9
-27.5°	2269.8	2231.3	2182.9	2135.7	2084.1	2022.7	1963.7	1901.3	1826.7	1751.5	1655.8
-30°	2200.4	2161.2	2120.6	2076.4	2018.0	1959.5	1902.9	1840.5	1772.2	1694.4	1598.9
-32.5°	2125.2	2090.6	2052.8	1999.9	1943.4	1893.1	1837.7	1774.7	1711.1	1625.1	1540.2
-35°	2049.8	2015.8	1970.7	1921.5	1870.7	1821.4	1766.4	1708.8	1635.9	1558.3	1477.7
-37.5°	1967.3	1932.2	1890.4	1844.4	1797.9	1745.0	1693.8	1631.3	1563.9	1491.4	1418.9
-40°	1881.0	1845.6	1808.2	1767.8	1717.8	1667.3	1613.8	1556.3	1492.0	1423.8	1348.9
-42.5°	1795.4	1761.4	1722.6	1681.1	1636.7	1587.9	1536.5	1480.0	1417.3	1350.7	1261.8
-45°	1702.7	1667.9	1634.0	1594.7	1553.7	1506.9	1456.5	1397.1	1336.9	1260.8	1186.9
-47.5°	1609.4	1576.8	1544.2	1507.2	1466.7	1420.5	1365.4	1311.3	1245.5	1180.5	1105.6
-50°	1512.7	1482.8	1450.8	1414.5	1369.3	1321.3	1272.9	1220.0	1161.0	1094.3	1017.5
-52.5°	1409.5	1379.7	1342.2	1302.5	1263.7	1220.2	1175.3	1124.2	1067.3	995.3	930.1
-55°	1282.9	1252.5	1225.2	1192.8	1150.3	1095.1	1047.7	1003.5	957.3	897.1	809.2
-57.5°	1118.9	1103.4	1068.3	1018.8	979.2	949.2	921.1	887.6	818.5	746.7	694.8
-60°	945.4	921.1	892.3	869.8	853.5	831.3	783.9	730.4	680.6	644.0	603.6
-62.5°	821.2	801.6	776.1	752.7	727.5	692.2	647.3	612.9	584.2	553.5	508.9
-65°	666.6	659.2	636.3	601.5	574.1	550.0	532.4	510.4	478.2	414.4	375.7
-67.5°	522.8	508.1	491.7	473.3	461.4	443.8	410.1	373.8	344.0	323.5	295.2
-70°	390.8	384.4	374.6	356.6	331.9	313.8	300.9	283.3	259.5	236.3	212.9
-72.5°	276.0	265.6	257.9	249.1	237.2	224.2	210.0	193.9	176.1	156.7	136.0
-75°	178.2	173.3	167.0	159.1	149.5	138.1	125.2	112.7	103.1	93.8	83.9
-77.5°	90.2	87.1	82.9	77.6	73.4	69.6	64.8	60.1	56.1	50.8	45.4
-80°	46.6	45.3	43.6	41.9	40.3	38.7	36.4	33.8	31.5	29.1	26.6
-82.5°	28.2	27.4	26.7	25.8	24.9	23.7	22.4	21.1	19.8	18.4	16.9
-85°	14.8	14.3	13.8	13.2	12.6	11.8	11.0	10.2	9.5	8.9	8.2
-87.5°	5.1	4.9	4.7	4.6	4.4	4.1	3.9	3.7	3.5	3.3	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-45W-7030

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	1.5	1.5	1.4	1.2	0.7	0.6	0.6	0.6	0.5	0.5	0.5
80°	7.0	6.2	5.4	4.6	3.9	3.3	2.4	1.5	1.0	0.8	0.7
77.5°	14.4	12.2	10.7	9.0	7.6	6.5	5.5	4.4	3.2	1.9	1.1
75°	30.1	26.1	20.3	16.7	13.6	11.0	8.7	7.3	5.9	4.3	2.7
72.5°	61.4	53.5	44.9	35.8	26.0	18.4	14.3	11.0	8.6	6.8	4.8
70°	104.7	90.4	74.3	63.3	51.6	38.1	23.1	17.0	12.6	9.2	7.0
67.5°	182.1	150.6	125.5	102.4	78.1	62.4	45.7	28.3	18.2	12.9	9.2
65°	276.8	236.7	197.4	157.7	127.5	93.5	69.4	48.8	28.9	17.8	12.1
62.5°	389.1	332.8	281.3	233.5	185.9	142.9	102.8	71.4	47.3	24.8	15.8
60°	505.9	454.3	380.0	313.6	255.6	199.3	148.8	102.8	66.0	41.0	20.8
57.5°	627.7	556.5	498.3	412.5	329.2	262.1	200.3	143.7	94.2	57.1	30.0
55°	757.2	669.3	592.7	521.5	416.6	328.5	255.9	189.3	128.8	77.7	44.0
52.5°	873.3	788.5	691.3	604.5	512.0	402.0	313.4	237.8	167.7	104.5	57.7
50°	1010.5	892.7	799.8	686.9	585.8	483.5	374.8	285.8	208.9	135.2	73.4
47.5°	1119.3	1015.5	889.3	776.8	659.7	552.4	437.4	337.5	249.8	168.6	95.8
45°	1201.6	1115.3	990.0	853.6	734.1	617.0	506.0	388.2	289.6	202.5	118.7
42.5°	1270.6	1189.6	1080.8	937.6	806.6	680.0	559.9	436.7	331.9	234.2	142.0
40°	1340.4	1249.4	1149.7	1027.4	872.3	743.0	614.4	492.2	374.8	264.6	166.8
37.5°	1421.9	1303.4	1208.4	1091.1	947.6	799.4	666.7	537.3	407.8	293.8	191.4
35°	1481.1	1367.9	1255.0	1149.6	1015.3	851.0	716.4	579.8	443.8	324.1	214.8
32.5°	1531.7	1425.2	1302.6	1197.4	1066.6	915.7	763.0	621.3	483.0	354.7	237.0
30°	1580.7	1468.6	1353.6	1235.2	1115.8	967.8	800.2	660.2	516.1	380.9	257.8
27.5°	1623.4	1515.7	1395.4	1273.4	1157.0	1010.6	839.6	696.4	545.5	402.8	277.5
25°	1658.5	1559.2	1429.0	1310.0	1190.9	1048.9	885.6	729.8	574.2	423.6	295.6
22.5°	1688.3	1593.2	1462.2	1341.3	1218.2	1085.7	923.6	760.4	601.3	447.4	313.1
20°	1718.7	1618.1	1502.7	1368.0	1244.7	1117.9	957.0	783.5	625.6	468.3	330.1
17.5°	1749.7	1641.9	1533.5	1391.7	1268.7	1141.9	985.8	803.6	647.2	486.3	344.9
15°	1771.6	1661.7	1559.7	1412.3	1288.4	1162.6	1007.4	822.3	665.9	500.9	357.6
12.5°	1790.5	1677.2	1576.0	1430.1	1304.3	1177.7	1025.5	840.2	681.8	513.1	367.6
10°	1804.6	1692.9	1590.7	1446.6	1316.7	1188.5	1039.9	853.4	694.5	522.9	374.8
7.5°	1814.9	1704.8	1601.9	1457.3	1325.2	1196.3	1050.3	862.2	704.2	530.3	380.2
5°	1821.3	1711.3	1608.5	1462.6	1330.1	1201.1	1056.8	866.9	710.8	535.1	383.8
2.5°	1823.2	1713.0	1611.5	1462.9	1331.6	1202.7	1059.5	867.8	714.3	537.4	385.7
0°	1821.0	1710.3	1611.0	1458.8	1329.5	1201.3	1058.6	865.4	714.7	537.1	385.9
-2.5°	1821.4	1711.8	1609.5	1459.6	1330.1	1201.2	1059.0	867.9	715.1	537.7	386.6
-5°	1817.5	1709.0	1604.6	1456.4	1327.1	1197.9	1055.9	867.1	712.5	535.8	385.6
-7.5°	1808.7	1701.5	1596.3	1449.1	1320.4	1191.5	1049.5	862.6	706.9	531.4	382.8
-10°	1797.1	1688.7	1582.0	1437.6	1309.9	1181.9	1039.8	854.0	698.6	524.6	377.9
-12.5°	1782.6	1671.3	1561.4	1421.8	1295.2	1169.2	1026.2	841.0	687.2	515.4	371.1
-15°	1763.5	1650.7	1536.7	1403.3	1276.6	1152.6	1009.3	823.4	672.1	503.9	361.9
-17.5°	1739.4	1626.1	1507.7	1382.0	1254.7	1131.4	989.3	805.3	653.8	490.2	350.9
-20°	1698.9	1597.8	1476.1	1355.9	1230.3	1107.3	960.4	786.2	632.5	474.6	338.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1654.8	1555.8	1438.0	1325.4	1202.8	1079.9	925.6	764.5	607.5	456.9	323.7
-25°	1610.5	1509.0	1399.9	1283.8	1172.6	1049.7	886.9	737.9	579.3	437.1	308.1
-27.5°	1563.8	1460.6	1356.9	1240.5	1133.0	1015.1	841.7	709.4	550.0	415.5	291.0
-30°	1508.2	1412.8	1304.2	1196.1	1089.5	967.8	804.1	672.6	522.5	391.2	272.3
-32.5°	1452.4	1360.8	1247.0	1147.5	1042.4	912.5	769.3	632.1	493.0	366.0	252.4
-35°	1398.2	1292.9	1193.8	1094.8	992.7	849.8	728.6	587.1	461.7	340.9	230.9
-37.5°	1328.3	1225.4	1133.3	1038.7	932.1	801.3	678.8	545.5	426.8	314.3	210.3
-40°	1246.7	1160.4	1070.9	982.2	865.5	749.2	625.0	505.1	387.7	286.0	191.9
-42.5°	1179.1	1089.3	1007.1	916.3	806.2	688.9	570.8	460.9	352.9	256.2	172.7
-45°	1103.5	1019.3	942.5	847.2	737.6	627.7	520.9	410.5	316.4	224.9	152.7
-47.5°	1025.6	951.9	874.0	776.5	666.5	567.8	464.7	362.4	278.3	201.0	132.2
-50°	948.1	871.8	796.4	689.2	601.6	505.8	402.6	318.1	239.7	174.8	111.0
-52.5°	851.6	777.1	691.8	619.3	533.7	435.1	346.8	273.7	205.8	147.4	92.5
-55°	741.3	674.1	614.5	546.0	452.8	364.9	295.8	229.9	173.2	120.2	74.4
-57.5°	643.8	593.6	531.8	451.8	370.8	306.0	247.1	191.4	139.9	95.4	58.1
-60°	558.6	497.2	424.2	361.3	304.7	252.7	201.1	151.7	109.4	72.9	43.7
-62.5°	437.3	384.5	337.4	290.9	248.0	201.2	155.2	117.0	82.5	53.4	31.5
-65°	341.6	304.7	265.0	229.9	190.9	148.9	116.6	86.0	59.7	38.5	26.4
-67.5°	260.7	231.5	200.1	166.6	133.9	109.3	82.5	60.3	41.5	28.7	21.2
-70°	187.8	161.1	133.0	114.7	94.8	73.6	55.9	40.5	29.3	22.2	16.2
-72.5°	118.8	105.1	89.6	73.3	61.0	48.5	35.7	27.6	21.7	16.7	11.1
-75°	72.2	62.8	53.4	45.4	36.9	30.1	23.7	19.9	15.7	11.1	7.9
-77.5°	40.6	35.1	31.3	26.6	23.1	20.3	17.1	13.6	10.2	7.6	5.6
-80°	24.5	22.4	20.3	18.1	15.8	13.4	10.8	8.4	6.5	5.1	3.7
-82.5°	15.3	13.7	12.0	10.3	8.6	7.4	6.2	5.1	4.1	3.2	2.5
-85°	7.4	6.6	5.9	5.2	4.6	4.0	3.4	2.8	2.3	1.9	1.5
-87.5°	2.8	2.6	2.4	2.1	1.9	1.6	1.4	1.2	1.0	0.9	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.2	0.1	0.0
82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.6	0.6	0.5	0.4	0.3	0.2	0.0
77.5°	0.9	0.7	0.7	0.5	0.4	0.2	0.0
75°	1.3	1.0	0.8	0.6	0.5	0.2	0.0
72.5°	2.8	1.4	0.9	0.7	0.5	0.3	0.0
70°	4.7	2.4	1.3	0.9	0.6	0.3	0.0
67.5°	6.6	3.9	1.7	1.0	0.7	0.4	0.0
65°	8.5	5.4	2.5	1.2	0.8	0.4	0.0
62.5°	10.4	6.9	3.6	1.5	0.8	0.4	0.0
60°	13.2	8.5	4.8	1.8	0.9	0.5	0.0
57.5°	16.3	10.1	6.0	2.1	1.0	0.5	0.0
55°	21.6	12.0	7.1	2.9	1.1	0.5	0.0
52.5°	27.8	14.4	8.2	3.7	1.2	0.6	0.0
50°	39.0	16.7	9.5	4.5	1.4	0.6	0.0
47.5°	49.8	21.8	10.7	5.3	1.6	0.6	0.0
45°	60.4	26.9	12.0	6.0	1.7	0.7	0.0
42.5°	70.5	33.6	13.7	6.7	1.9	0.7	0.0
40°	87.0	41.5	15.3	7.4	2.1	0.7	0.0
37.5°	102.6	49.0	16.8	8.0	2.2	0.8	0.0
35°	118.7	56.2	19.9	8.8	2.6	0.8	0.0
32.5°	134.7	63.0	23.8	9.5	2.9	0.8	0.0
30°	149.6	69.4	27.6	10.2	3.3	0.9	0.0
27.5°	165.0	76.3	31.3	10.9	3.6	0.9	0.0
25°	179.2	85.4	35.0	11.5	3.9	0.9	0.0
22.5°	191.9	93.7	39.0	12.1	4.2	0.9	0.0
20°	203.5	101.1	42.7	12.7	4.5	1.0	0.0
17.5°	214.3	107.6	45.9	13.3	4.7	1.0	0.0
15°	223.7	113.8	48.8	13.8	4.9	1.0	0.0
12.5°	231.6	119.6	51.3	14.2	5.1	1.0	0.0
10°	238.0	124.3	53.5	14.6	5.2	1.0	0.0
7.5°	243.0	128.1	55.2	14.9	5.3	1.0	0.0
5°	246.4	130.8	56.6	15.2	5.4	1.0	0.0
2.5°	248.3	132.5	57.5	15.3	5.5	1.0	0.0
0°	248.8	133.2	58.1	15.4	5.5	1.0	0.0
-2.5°	249.4	134.0	58.5	15.6	5.5	1.1	0.0
-5°	248.6	133.7	58.4	15.8	5.6	1.1	0.0
-7.5°	246.2	132.5	58.0	15.9	5.5	1.1	0.0
-10°	242.3	130.3	57.1	15.9	5.5	1.1	0.0
-12.5°	236.9	127.1	55.8	15.8	5.4	1.1	0.0
-15°	230.0	122.9	54.1	15.6	5.3	1.1	0.0
-17.5°	221.6	118.3	51.9	15.3	5.2	1.1	0.0
-20°	211.7	113.2	49.3	15.0	5.0	1.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	201.9	107.2	46.2	14.6	4.8	1.0	0.0
-25°	191.9	100.3	42.7	14.2	4.6	1.0	0.0
-27.5°	180.8	92.5	39.0	13.6	4.4	1.0	0.0
-30°	168.8	86.1	35.2	13.0	4.1	1.0	0.0
-32.5°	156.1	79.7	31.1	12.3	3.8	1.0	0.0
-35°	142.5	72.6	26.6	11.5	3.4	0.9	0.0
-37.5°	128.4	65.1	23.0	10.7	3.1	0.9	0.0
-40°	114.1	57.5	21.6	10.0	3.0	0.9	0.0
-42.5°	98.8	49.3	20.1	9.1	2.8	0.9	0.0
-45°	86.9	41.5	18.4	8.2	2.6	0.8	0.0
-47.5°	74.1	34.2	16.8	7.2	2.4	0.8	0.0
-50°	62.0	26.6	15.1	6.4	2.2	0.8	0.0
-52.5°	49.4	24.1	13.2	5.6	1.9	0.7	0.0
-55°	39.3	21.4	11.4	4.8	1.8	0.7	0.0
-57.5°	29.3	18.6	9.6	4.0	1.7	0.6	0.0
-60°	25.7	15.8	7.6	3.5	1.5	0.6	0.0
-62.5°	21.8	12.9	6.5	3.1	1.4	0.5	0.0
-65°	17.9	9.9	5.2	2.6	1.2	0.5	0.0
-67.5°	13.8	7.6	4.2	2.2	1.1	0.5	0.0
-70°	9.6	6.0	3.5	1.9	1.0	0.4	0.0
-72.5°	7.3	4.6	2.7	1.6	0.9	0.4	0.0
-75°	5.4	3.5	2.2	1.3	0.7	0.3	0.0
-77.5°	4.0	2.7	1.7	1.1	0.6	0.3	0.0
-80°	2.8	1.9	1.3	0.9	0.5	0.2	0.0
-82.5°	1.8	1.4	1.0	0.6	0.4	0.2	0.0
-85°	1.2	0.9	0.6	0.4	0.2	0.1	0.0
-87.5°	0.6	0.4	0.3	0.2	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)